FEDERAL ITEM IDENTIFICATION GUIDE

RADAR EQUIPMENT

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ADJUSTER, SPARK GAP ELECTRODE	19104	CA

An item specifically designed to position and space the electrodes in a spark gap. Excludes GAGE, GAP SETTING.

ANTENNA-RECEIVER, RADAR	40785	AG

An electronic assembly that consists of and functions as a RECEIVER, RADAR and an ANTENNA. Excludes RADAR SET.

ANTENNA-RECEIVER-TRANSMITTER, RADAR	40784	AH

An electronic assembly which consists of and functions as a RECEIVER-TRANSMITTER, RADAR and an ANTENNA. Excludes RADAR SET.

BLANKER-VIDEO MIXER	00161	AA

A component having the duel functions of (1) minimizing undesired signals and (2) combining several video signals and feeding the resultant to one or more indicators. See also DUPLEXER; and MULTIPLEXER.

CAP, RADOME	53135	CA

An item designed to offer protection to the intricate parts of a radome lock assembly.

CODER DISK SEGMENT	19105	CA

An item designed to be affixed to or inserted into a coding disk and which by virtue of its size and location creates an interrupting action according to a definite pattern when the disk is rotated. Includes items used as spacer segments.

CONDUCTOR SECTION, TUNED CAVITY	19106	CA
DISCRIMINATOR, RADAR TRACK	47813	AE

An item specifically designed to receive signals from a host radar system, classify the radio frequency echo, and discriminate the possible aircraft\missile type. May or may not process and correlate track data from single or multiple sources. It classifies the signal to aid in determination of friendly/hostile intent.

DISK, SPARK GAP	19107	CA
DUMMY TRANSPONDER SET	60435	AE

An item which is identical in configuration to a TRANSPONDER SET without having the internal functioning components of a TRANSPONDER SET.

Approved Item Name	INC	App Key
ELECTRONIC ALTIMETER-ALTITUDE COMPUTER SET	19155	AH

A fixed number of components and/or items, not all having the same basic name, that provides vertical guidance information consisting of instantaneous altitude and angular approach data to either the crew or automatic pilot during the final phase of either a manual or automatic letdown procedure to an airport runway. May exclude certain operating components supplied separately or already present at the point of usage.

FIRE CONTROL SYSTEM, ELEVATED SENSOR	68246	AH

A collection of items composed of an unmanned aerostat tethered to a mobile mooring station, an aerostat mounted radar, ground based data processing equipment, manned communications and control equipment, power conversion and distribution equipment plus related items. It searches for, collects, and formats highly accurate target data, which it disperses. See also SURVEILLANCE SYSTEM, ELEVATED SENSOR.

HOMING SET, RADAR	19156	AH

A fixed number of components and/or items, not all having the same basic name, which are required for the performance of a complete specific operational function, that propagate into space and utilize reflected portions of electromagnetic waves to automatically selfguide a moving object to a target by a radar signal.

INTERROGATOR SET	06863	AE

A fixed number of components and/or items, not all having the same basic name, specifically designed to transmit predetermined signals for reception by coordinated transponding equipment and receive and interpret reply of the transponding equipment.

INTERROGATOR-TRANSPONDER SET	22892	AE

A fixed number of components and/or items, not all having the same basic name, which combine the functions of an INTERROGATOR SET and TRANSPONDER SET. May exclude certain operating components supplied separately or already present at the point of usage.

RADAR CHRONOGRAPH SET	19157	AH

A fixed number of components and/or items, not all having the same basic name, which are required for the performance of a complete specific operational function, that propagate into space and utilize reflected portions of electromagnetic waves for measuring projectile velocities by a radar signal.

RADAR CLOUD DETECTING SET	19158	AH

A fixed number of components and/or items, not all having the same basic name, for the determination of the base and top altitude of clouds immediately above the equipment. May exclude certain operating components supplied separately or already present at the point of usage.

Approved Item Name	INC	App Key
RADAR COURSE DIRECTING CENTRAL	01106	AH

A system comprising a number of associated electronic sets which are used to direct the course of a moving object (such as an aircraft, ship, tank, or missile) to a target by means of radar techniques. May be manual or automatic in operation.

RADAR SET	19159	AH

A fixed number of components and/or items, not all having the same basic name, which are required for the performance of a complete specific operational function, that propagate into space and utilize reflected portions of electromagnetic waves for such purposes as detecting the presence and/or determining the location of distant objects, projectile velocity measurements, terrain clearance measurements, bomb directing measurement, and the like. See also RADAR SET, SEMITRAILER MOUNTED.

RADAR SURVEILLANCE CENTRAL	01107	AH

A system comprised of one or more RADAR SETS and associated electronic sets which are used for locating and directing aircraft by voice signals into an air traffic landing pattern. Does not provide final approach landing information. May include facilities for identifying a target as friend or foe and a means for relaying data to appropriate information and/or control centers.

RADAR SYSTEM, AEGIS	46150	AH

A multifunction phased-array radar which performs air and surface survellance by the controlled emission and reception of radio frequency energy. The system has the capability to search and automatically detect and track both air and surface targets. It is designed to operate and differentiate multiple targets in heavy surface, air clutter and electronic countermeasure environments. It provides missile midcourse guidance commands and maintains a communication link throughout the missile's flight.

RADAR SYSTEM, EARLY WARNING	67603	AH

A system providing early warning and attack assessments of processed radar signals.

RADAR TERRAIN CLEARANCE SET	19160	AH

A fixed number of components and/or items, not all having the same basic name, which provide clearance data existing between the base of a cloud(s) and terrain, by airborne techniques which propagate into space and utilize the reflected portion of electromagnetic waves. Does not provide data immediately above or below the radar location.

RECEIVER-EXCITER, RADAR	67609	AF

An item that includes the RECEIVER, RADAR and a EXCITER, RADIO FREQUENCY for the TRANSMITTER, RADAR.

RECEIVER-GENERATOR, RADAR	52968	AG

A component that receives reflected electromagnetic signals which were generated from a radar transmitter. It also has the capability to generate drive signals for the transmitter but does not have the capability to transmit. It may also provide signal conditioning and signal conversion which may be used by other radar components or systems.

Approved Item Name	INC	App Key
RECEIVER, RADAR	19145	AG

The utilization of the reflected portion of electromagnetic waves from a radar transmitter. The signals are received after reflection. May include accessories. For items consisting of two or more major operational components, see RECEIVING SET, RADAR; and RECEIVER GROUP.

RECEIVER-TRANSMITTER, RADAR	19129	AF

A single component having the dual functions of generating electromagnetic energy for transmission, and of receiving, demodulating, and sometimes presenting intelligence from the reflected electromagnetic energy. May include accessories. For multiple units consisting of a single radar receiver and a single radar transmitter, see the applicable set item name. See also FREQUENCY CONVERTER-TRANSMITTER. For items designed to initiate an explosion in an item of ammunition, see FUZE (as modified).

RECEIVING SET, RADAR	19154	AG

A complete set for intercepting, demodulating and presenting intelligence derived from signals propagated by a compatible radar transmitter.

RECORDER SET, RADAR DISPLAY #	49661	AE

A complete set of components and/or items not all having the same basic name which are required to record the radar display during the last turn of antenna and to reproduce it on the radar scope after cutting off the emission for analysis and evaluation. It may consist of a recorder having an electronic memory storage, an interface unit, a control box, cable assemblies and the like.

SMALL SHIP ELECTRONIC SUPPORT MEASURES	67462	AA

Passive receiving system that processes pulsed radar signals, and extracts conventional emitter intra-pulse signals then evaluates the characteristics of the radar emitter and then creates a fingerprint of a specific radar to a platform. This is used on small surface ships. EXCLUDES: GENERATOR PULSE; CONTROL, TRANSMITTER RADAR; DISPENSING SET, COUNTERMEASURES; DETECTING SET, RADAR; CONTROL, RECEIVER-TRANSMITTER; RADAR SET; RADAR SYSTEM AEGIS; RECEIVER-TRANSMITTER, RADAR.

SPARK GAP	00171	BA

An item designed to act as a switching or triggering device by means of a disruptive discharge of electricity (a spark) between the electrodes. The insulation (usually air) between the electrodes is self-restoring after passage of the spark. For spark gaps used as protective device, see ARRESTER, ELECTRICAL SURGE. For items with additional circuitry which perform complete modulation functions, see MODULATOR, RADAR.

Approved Item Name	INC	App Key
SURVEILLANCE SYSTEM, ELEVATED SENSOR	68247	AH

A collection of items composed of an unmanned aerostat tethered to a mobile mooring station, an aerostat mounted radar , ground based data and signal processing equipment, manned communications and control equipment, power conversion and distribution equipment plus related items. It searches long distances for small radar cross-section tracks. It collects, analyzes and disperses this information. See also FIRE CONTROL SYSTEM, ELEVATED SENSOR.

TRANSMITTER, RADAR	00501	AD

A component which generates electrical signals of proper frequency and form which when applied to an antenna will propagate electromagnetic waves into space, the reflected wave being utilized for radar applications. May include an integral modulator and accessories.

TRANSMITTING SET, RADAR	61521	AD

A complete electronic set for the propagation of radar frequency electromagnetic waves in space.

TRANSPONDER SET	06864	AE

A fixed number of electronic components and/or items, not all having the same basic name which receive an interrogation signal, and which retransmit coded signals which can be interpreted by the interrogating station. May exclude certain operating components supplied separately or already present at point of usage.

APPLICABILITY KEY INDEX

	AA	AD	AE	AF	AG	AH
NAME	X	X	X	X	X	X
AMKF		X	X	X		X
AMKE		AR		AR		AR
AMKM		AR	AR	AR		AR
AMKN			X	X	X	X
AMKP				AR	AR	AR
AMKQ			AR	AR	AR	AR
AMKR			AR			
AMKS			AR			
AMLN			AR			
AMMD	AR					
AMME	AR					
AMMF		X				
AMMR		AR				
ACZN		AR				
AMMS		X				
AKWC	AR	AR	AR	AR	AR	AR
ACYN	AR	AR	AR	AR	AR	AR
ACZB	AR	AR	AR	AR	AR	AR
FAAZ	AR	AR	AR	AR	AR	AR
ACYR	AR	AR	AR	AR	AR	AR
ALSF	AR	AR	AR	AR	AR	AR
AMNJ					AR	
AMNK					AR	
AMNL					AR	
ADAV	AR	AR	AR	AR	AR	AR
ABHP	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR	AR
ABFY	AR	AR	AR	AR	AR	AR
ADUM	AR	AR	AR	AR	AR	AR
AFHS	AR	AR	AR	AR	AR	AR
AKVY	AR	AR	AR	AR	AR	AR
AFJH	AR	AR	AR	AR	AR	AR
AKVZ	AR	AR	AR	AR	AR	AR
AJJX	AR	AR	AR	AR	AR	AR
AJJZ	AR	AR	AR	AR	AR	AR
AJKA	AR	AR	AR	AR	AR	AR
AJKB	AR	AR	AR	AR	AR	AR
AKWA	AR	AR	AR	AR	AR	AR
AKWB	AR	AR	AR	AR	AR	AR
RADC	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR

ZZZX	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR
AMQY	AR	AR	AR	AR	AR	AR
ALCD	AR	AR	AR	AR	AR	AR
ACUR	AR	AR	AR	AR	AR	AR
ACUQ	AR	AR	AR	AR	AR	AR
FREQ	AR	AR	AR	AR	AR	AR
AMKL	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR
RADD	AR	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR
FCLS	AR	AR	AR	AR	AR	AR
FTLD	AR	AR	AR	AR	AR	AR
TMDN	AR	AR	AR	AR	AR	AR
RTSE	AR	AR	AR	AR	AR	AR
RDAL	AR	AR	AR	AR	AR	AR
NTRD	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR

	BA
NAME	X
AMPH	X
AMPJ	AR
ACDC	AR
ELEC	AR
AEQC	AR
AMPK	X
AMQT	X
ADAV	AR
ABHP	AR
ABMK	AR
ABKW	AR
ABFY	AR
ADUM	AR
ALGC	AR
AKWA	AR
AKWB	AR
RADC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AMQY	AR
ALCD	AR
ACUR	AR
ACUQ	AR
FREQ	AR
AMKL	AR
AGAV	AR
RADD	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
AFJK	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

	CA
NAME	X
MATT	X
SFTT	AR
SHPE	AR
ADAV	AR
ABHP	AR
ABMK	AR
ABKW	AR
ABFY	AR
ADUM	AR
ALGC	AR
AKWA	AR
AKWB	AR
RADC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AMQY	AR
ALCD	AR
ACUR	AR
ACUQ	AR
FREQ	AR
AMKL	AR
AGAV	AR
RADD	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
AFJK	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

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Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code appearing in the Index of Approved Item Names. (e.g., NAMED00301*)

AD, AE, AF, AH

AMKF	J	TRANSMITTED SIGNAL FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE TRANSMITTED SIGNAL IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMKFJMA500.0*; AMKFJEB50.0$$JEC60.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AD*, AF*, AH*

AMKE	A	TRANSMITTER BAND QUANTITY

Definition: THE NUMBER OF BANDS INCORPORATED IN THE TRANSMITTER.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., AMKEA4*)

AD*, AE*, AF*, AH*

AMKM A TRANSMITTER CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS INCORPORATED IN THE TRANSMITTER.

Reply Instructions: Enter the quantity. (e.g., AMKMA2*)

AE, AF, AG, AH

AMKN J RECEIVED SIGNAL FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE RECEIVED SIGNAL IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMKNJMA500.0*; AMKNJEB50.0$$JEC60.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AF*, AG*, AH*

AMKP A RECEIVER BAND QUANTITY

Definition: THE NUMBER OF BANDS INCORPORATED IN THE RECEIVER.

Reply Instructions: Enter the quantity. (e.g., AMKPA2*)

AE*, AF*, AG*, AH*

APP Key	MRC	Mode Code	Requirements
	AMKQ	A	RECEIVER CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS INCORPORATED IN THE RECEIVER.

Reply Instructions: Enter the quantity. (e.g., AMKQA4*)

AE*

	AMKR	A	CODED CHANNEL QUANTITY

Definition: THE NUMBER OF CODED CHANNELS INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AMKRA6*)

AE*

	AMKS	D	INDICATOR TYPE

Definition: INDICATES THE TYPE OF INDICATOR TO BE USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMKSDJ*)

REPLY CODE	REPLY (AD51)
J	CATHODE RAY TUBE
K	METER
E	PILOT LIGHT

AE*

	AMLN	D	INDICATOR CORRELATION

Definition: THE TERMINOLOGY USED TO DESIGNATE A PARTICULAR RELATIONSHIP OF THE INDICATOR TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMLNDAE*)

REPLY CODE	REPLY (AH00)
AE	REMOTE
AD	SELF-CONTAINED

APP Key	MRC	Mode Code	Requirements

AA*

AMMD A INPUT SIGNAL QUANTITY

Definition: THE NUMBER OF SIGNALS WHICH THE ITEM IS CAPABLE OF RECEIVING.

Reply Instructions: Enter the quantity. (e.g., AMMDA4*)

AA*

AMME G SIGNAL OUTPUT

Definition: THE SPECIFIC SIGNAL THAT IS OUTPUT BY THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AMMEGQUANTIZED*)

AD

AMMF D INTEGRAL MODULATOR

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL MODULATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMMFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AMMR AND ACZN: IF REPLY CODE C IS ENTERED FOR MRC AMMF, REPLY TO MRCS AMMR AND ACZN.

AD* (See Note Above)

AMMR J PULSE DURATION

Definition: THE TIME REQUIRED FOR ONE COMPLETE PULSE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AMMRJAR2.6*)

For multiple replies, use AND ($$) Coding. (e.g.,

APP Key	MRC	Mode Code	Requirements

AMMRJAL1.4*

AMMRJAR0.4$$JAR0.6*)

REPLY CODE	REPLY (AB49)
AL	MICROSECONDS
EF	NANOSECONDS
AR	SECONDS

AD* (See Note Preceding MRC AMMR)

ACZN J PULSE REPETITION RATE

Definition: THE AVERAGE RATE AT WHICH THE PULSES RECUR WITHIN A SPECIFIED TIME INTERVAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACZNJE460.0*)

For multiple replies, use Secondary Address Coding and enter in the same sequence as MRC AMMR. (e.g.,

ACZN1AJE267.0*

ACZN1BJE800.0*)

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

AD

AMMS J POWER OUTPUT

Definition: THE AMOUNT OF ELECTRICAL POWER WHICH THE ITEM IS CAPABLE OF PRODUCING.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMMSJLA100.0*; AMMSJLB100.0$$JLC120.0*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWC D ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ACYN, ACZB, FAAZ, AND ACYR: REPLY TO THESE MRCS, AS APPLICABLE, IF THE REPLY TO MRC AKWC IS OTHER THAN AD. DO NOT ENTER REPLIES FOR SELF-CONTAINED POWER SOURCES. REFER TO APPENDIX C, TABLE 1, FOR IDENTIFIED SECONDARY ADDRESS CODING.

ALL* (See Note Above)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 1, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g.,

ACYN1AJVA110.0*

ACYN1BJVB117.0$$JVC122.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACYN)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 1, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g.,

APP Key	MRC	Mode Code	Requirements

ACZB1AJEA60.0*

ACZB1BJEB50.0$$JEC60.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACYN)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Code from the table below. (e.g.,

FAAZ1ADB*

FAAZ1BDB$$DC*

FAAZ1CDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL* (See Note Preceding MRC ACYN)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix C , Table 1, followed by the mode and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g.,

ACYR1AJVA110.0*

ACYR1BJVB110.0$$JVC115.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AG*

AMNJ G CATHODE RAY TUBE DESIGNATOR

Definition: THE ALPHA AND/OR NUMERIC DESIGNATOR BY WHICH THE CATHODE RAY TUBE IS IDENTIFIED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the reply in clear text. (e.g., AMNJGTYPE NO. SAP1*)

NOTE FOR MRCS AMNK AND AMNL: REPLY TO THESE MRCS AMNK AND AMNL WHEN A REPLY IS ENTERED FOR MRC AMNJ.

AG* (See Note Above)

AMNK G SCALE CALIBRATION

Definition: AN INDICATION OF THE MANNER IN WHICH THE SCALE IS CALIBRATED.

Reply Instructions: Enter the reply in clear text. (e.g., AMNKG0 TO 360 DEG AND/OR 0 TO 100 MILES*)

AG* (See Note Preceding MRC AMNK)

AMNL D PRESENTATION TYPE

Definition: INDICATES THE TYPE OF PRESENTATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMNLDAB*)

REPLY CODE	REPLY (AJ15)
AB	A SCAN
AC	B SCAN
AD	DUAL HORIZONTAL
AE	L SCAN
AF	LORAN PULSE PAIR
AG	PLAN POSITION INDICATOR

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AFHS A ACCESSORY COMPONENT QUANTITY

Definition: THE NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the applicable Identified Secondary Address Coding (I/SAC) from Appendix C , Table 4, followed by the numeric value. (e.g., AFHS2BZA4*)

For items with different components, use Identified Secondary Address Coding. (e.g.,

APP Key	MRC	Mode Code	Requirements

AFHS2AAA4*;

AFHS2ABA6*)

NOTE FOR MRCS AKVY, AFJH, AND AKVZ: IF A REPLY IS ENTERED FOR MRC AFHS, REPLY TO MRCS AKVY, AFJH, AND AKVZ. SEPARATE MULTIPLE REPLIES FOR MRCS AKVY AND AFJH WITH A SEMICOLON ENTERING THE SAME SEQUENCE AS MRC AFHS.

ALL* (See Note Above)

AKVY G ACCESSORY CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION THAT CONTROLS THE MANUFACTURE OF THE ACCESSORY ITEM.

Reply Instructions: Enter the applicable Identified Secondary Address Coding (I/SAC) from Appendix C , Table 4, followed by the reply in clear text. (e.g., AKVY2AAGSIGNAL CORPS*; AKVY2BZGSIGNAL CORPS*)

ALL* (See Note Preceding MRC AKVY)

AFJH G FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Identified Secondary Address Coding (I/SAC) from Appendix C , Table 4, followed by the reply in clear text. (e.g., AFJH2AAGRECEIVER*; AFJH2BZGTRANSMITTER*)

ALL* (See Note Preceding MRC AKVY)

AKVZ J ACCESSORY IDENTIFYING NUMBER

Definition: THE SPECIFIC NUMBER USED TO IDENTIFY THE ACCESSORY.

Reply Instructions: Enter the applicable Identified Secondary Address Coding (I/SAC) from Appendix C , Table 4, followed by the applicable Reply Code from the table below, followed by the identifying number. (e.g., AKVZBZJAE79614*)

For multiple replies, use Identified Secondary Address Coding and enter in the same sequence as MRC AFHS. (e.g.,

APP
Key MRC Mode Code Requirements

AKVZ2AAJAC4086*;

AKVZJAE79614*)

REPLY CODE	REPLY (AG99)
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.
AN	UNIT NO.

ALL*

AJJX D COMPONENT DOCUMENT ORIGIN

Definition: THE ORIGINATOR (GOVERNMENTAL, INDUSTRIAL, OR OTHERWISE) OF THE AVAILABLE DOCUMENT WHICH LISTS THE COMPONENT(S) OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJXDAF*)

REPLY CODE	REPLY (AF59)
AF	GOVERNMENT
AD	INDUSTRIAL

NOTE FOR MRCS AJJZ, AJKA, AND AJKB: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC AJJX.

ALL* (See Note Above)

AJJZ D DOCUMENT TYPE

Definition: INDICATES THE TYPE OF DOCUMENT BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., AJJZDAB*)

For multiple replies, use AND ($$) Coding and enter in reply table sequence. (e.g.,

AJJZDAB*;

APP Key	MRC	Mode Code	Requirements

AJJZDAC$$DAF*)

NOTE FOR MRCS AJKA AND AJKB: FOR MULTIPLE REPLIES, USE AND ($$) CODING ENTERING IN THE SAME SEQUENCE AS MRC AJJZ.

ALL* (See Note Above and Preceding MRC AJJZ)

AJKA A DOCUMENT IDENTIFICATION

Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.

Reply Instructions: Enter the number or symbol of the document in clear text.

(e.g., AJKAAMIL-F-1234*;

AJKAAMIL-F-1234$$ATM-5-225*)

ALL* (See Note Preceding MRCS AJKA and AJJZ)

AJKB A COMPONENT DOCUMENT PAGE NUMBER

Definition: THE PAGE NUMBER INDICATING THE LOCATION OF THE COMPONENT(S) LISTING IN THE DOCUMENT.

Reply Instructions: Enter the page number. (e.g., AJKBA119*;

AJKBA11-6$$A1-77*)

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)		

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code appearing in the Index of Approved Item Names. (e.g., NAMED00171*)

ALL			
	AMPH	D	GAP TYPE

Definition: INDICATES THE TYPE OF GAP.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMPHDAB*)

REPLY CODE	REPLY (AJ16)
AC	NONROTARY
AB	ROTARY

NOTE FOR MRC AMPJ: REPLY TO MRC AMPJ ONLY WHEN REPLY CODE AB IS ENTERED FOR MRC AMPH.

ALL* (See Note Above)			
	AMPJ	D	MOTOR

Definition: AN INDICATION OF WHETHER OR NOT A MOTOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMPJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ACDC, ELEC AND AEQC: REPLY TO THESE MRCS ONLY WHEN REPLY CODE B IS ENTERED FOR MRC AMPJ.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL* (See Note Preceding MRC ACDC)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the voltage required to operate the unit. If multiple voltages are given for the same type of current, enter the voltages in ascending order using AND coding ($$). If the multiple voltages given represent AC and DC current, use AND coding ($$) listing the AC voltages first regardless of the value. (e.g., ELECB12.0*; ELECB230.0$$B460.0*)

If the source document gives the voltage as, or as falling within, one of the following ranges, select the appropriate reply from the table below:

ALL* (See Note Preceding MRC ACDC)

AEQC B OPERATING SPEED AT RATED CAPACITY IN RPM

Definition: THE SPEED OF THE DRIVE SHAFT REQUIRED TO PRODUCE THE RATED CAPACITY OF AN ITEM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AEQCB3000.0*)

ALL

AMPK D ELECTRODE MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ELECTRODE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

(e.g., AMPKDAL0000*; AMPKDBR0000$$DNF0000$DSTB000*)

REPLY CODE	REPLY (AD09)
AL0000	ALUMINUM ALLOY
	Aluminum (use Reply Code AL0000)
	Beryllium Copper (use Reply Code CK0000)
BR0000	BRASS
	Brass, Leaded (use Reply Code BR0000)
BR0509	BRASS, QQ-B-626A, COMP 22
BN0000	BRONZE
CJ0000	CERAMIC
CU0000	COPPER
CK0000	COPPER ALLOY
GS0000	GLASS
FE0000	IRON
MNA000	MANGANESE BRONZE
NF0000	NICKEL
PC0000	PLASTIC
RH0000	RHODIUM
AG0000	SILVER
ST0000	STEEL
	Steel, Carbon (use Reply Code ST0000)
STB000	STEEL, CORROSION RESISTING
	Steel, Stainless (use Reply Code STB000)
TA0000	TANTALUM
TN0000	TUNGSTEN
WD0000	WOOD

ALL

AMQT D ADJUSTABILITY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN ADJUSTABLE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMQTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL*			
	ALGC	G	MOUNTING CONFIGURATION
			Definition: THE NARRATIVE EXPRESSION USED FOR INDICATING THE CONFIGURATION OF THE MOUNTING FACILITIES.
			Reply Instructions: Enter the reply in clear text. (e.g., ALGCGFOUR 0.180 IN. DIA MTG HOLES ON 1.500 IN. BY 1.380 IN. MTG CENTERS*)
ALL*			
	AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.
			Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
			Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.
			Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19104*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable the applicable Reply Code from the table below. (e.g., MATLDAL0000*; MATLDBR0000$$DNF0000$DSTB000*)

REPLY CODE	REPLY (AD09)
AL0000	ALUMINUM ALLOY
	Aluminum (use Reply Code AL0000)
	Beryllium Copper (use Reply Code CK0000)
BR0000	BRASS
	Brass, Leaded (use Reply Code BR0000)
BR0509	BRASS, QQ-B-626A, COMP 22
BN0000	BRONZE
CJ0000	CERAMIC
CU0000	COPPER
CK0000	COPPER ALLOY
GS0000	GLASS
FE0000	IRON
MNA000	MANGANESE BRONZE
NF0000	NICKEL
PC0000	PLASTIC
RH0000	RHODIUM
AG0000	SILVER
ST0000	STEEL
	Steel, Carbon (use Reply Code ST0000)
STB000	STEEL, CORROSION RESISTING
	Steel, Stainless (use Reply Code STB000)
TA0000	TANTALUM
TN0000	TUNGSTEN
WD0000	WOOD

APP Key	MRC	Mode Code	Requirements

ALL*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SURFDAN0000*; SURFDAU0000$$DNF0000$DAG0000*)

REPLY CODE	REPLY (AD09)
AN0000	ANODIZE
CD0000	CADMIUM
	Cadmium Plated (use Reply Code CD0000)
CU0000	COPPER
EN0000	ENAMEL
AU0000	GOLD
LQ0000	LACQUER
NF0000	NICKEL
	Nickel Plated (use Reply Code NF0000)
PH0000	PHOSPHATE
RH0000	RHODIUM
	Rhodium Flashed (use Reply Code RH0000)
	Rhodium over Silver over Copper (use Reply Codes RH0000, AG0000, and CU0000)
	Rhodium over Silver Plate (use Reply Codes RH0000 and AG0000)
	Rhodium Plated (use Reply Code RH0000)
AG0000	SILVER
AG0075	SILVER PLATED, QQ-S-365, TYPE 2, GRADE A
	Silver Plated (use Reply Code AG0000)

ALL*

SHPE D SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., SHPEDCN*; SHPEDBM$DRT*)

APP Key	MRC	Mode Code	Requirements

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL*			
	ALGC	G	MOUNTING CONFIGURATION
	Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., ALGCGFOUR 0.180 IN. DIA MTG HOLES ON 1.500 IN. BY 1.380 IN. DEG CTR*)		
ALL*			
	AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
	Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)		
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
	Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)		

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC RADC: IF MRC RADC IS ANSWERED, A REPLY TO MRC RADD IN SECTION III IS MANDATORY.

ALL* (See Note Above)

RADC D RADIOACTIVE CONTENT

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., RADCDP*)

REPLY CODE	REPLY (AN54)
P	CONTAINS RADIOACTIVE MATERIAL

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

APP Key	MRC	Mode Code	Requirements

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT	J	NONDEFINITIVE SPEC/STD DATA

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2 followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AMQY	D	INSTALLATION DESIGN

Definition: THE INSTALLATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMQYDAH*)

REPLY CODE	REPLY (AJ71)
AH	AIRBORNE
AJ	FIXED
AK	MOBILE
AF	PORTABLE
AL	SEABORNE
AM	TRANSPORTABLE

ALL			
	ALCD	G	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGFOR AIR SEARCH*)

ALL			
	ACUR	B	DIRECT CURRENT VOLTAGE RATING VOLTS

Definition: THE DIRECT CURRENT VOLTAGE, FOR WHICH THE ITEM IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., ACURB1.5*)

ALL			
	ACUQ	B	ALTERNATING CURRENT VOLTAGE RATING IN VOLTS

Definition: THE ALTERNATING CURRENT VOLTAGE, FOR WHICH THE ITEM IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., ACUQB1.5*)

APP Key	MRC	Mode Code	Requirements

ALL

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB400.0*)

ALL

AMKL D POWER UNIT PHASE

Definition: THE NUMBER OF POWER UNIT ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMKLDC*; AMKLDB$$DC*; AMKLDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

NOTE FOR MRC RADD: IF A REPLY IS ENTERED FOR MRC RADC IN SECTION I, A REPLY MUST BE ENTERED FOR MRC RADD.

ALL (See Note Above)

RADD J RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from the table below and Appendix A , Table 3 followed by the numeric value. Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAAD10.000*)

REPLY CODE	REPLY (AG67)
JF	CURIES
JH	MICROCURIES
JG	MILLICURIES

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM

APP Key	MRC	Mode Code	Requirements
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

APP Key	MRC	Mode Code	Requirements

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

AFJK J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

APP Key	MRC	Mode Code	Requirements
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

	ZZZV	G	FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

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Table 4 - DOCUMENT TYPES 75

Table 1 - SHAPES

SHAPES

REPLY CODE	REPLY (AD07)
Z	ANY ACCEPTABLE
CN	CONICAL
AN	CYLINDRICAL
DN	F
BC	IRREGULAR
DP	L
BM	OBLONG
RT	RECTANGULAR
RD	ROUND
DQ	SEGMENTED
TE	TEE

Table 2 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY

REPLY CODE	REPLY (AD08)
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS

REPLY CODE	REPLY (AD08)
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 3 - RADIONUCLIDES DATA

RADIONUCLIDES DATA

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAAB	ACTINIUM (89)	AC-227
AAAC	ACTINUM (89)	AC-228
AAAD	AMERICIUM (95)	AM-241
AAAE	AMERICIUM (95)	AM-243
AAAF	ANTIMONY (51)	SB-122
AAAG	ANTIMONY (51)	SB-124
AAAH	ANTIMONY (51)	SB-125
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAM	ARSENIC (33)	AS-73
AAAN	ARSENIC (33)	AS-74
AAAP	ARSENIC (33)	AS-76
AAAQ	ARSENIC (33)	AS-77
AAAR	ASTATINE (85)	AT-211
AAAS	BARIUM (56)	BA-131
AAAT	BARIUM (56)	BA-133
AAAW	BARIUM (56)	BA-140
AAAX	BERKELIUM (97)	BK-249
AAAY	BERYLLIUM (4)	BE-7
AAAZ	BISMUTH (83)	BI-206
AABA	BISMUTH (83)	BI-207
AABB	BISMUTH (83)	BI-210
AABC	BISMUTH (83)	BI-212

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AABD	BROMINE (35)	BR-82
AABE	CADMIUM (48)	CD-109
AABF	CADMIUM (48)	CD-115M
AABG	CADMIUM (48)	CD-115
AABH	CALCIUM (20)	CA-45
AABJ	CALCIUM (20)	CA-47
AABK	CALIFORNIUM (98)	CF-249
AABL	CALIFORNIUM (98)	CF-250
AABM	CALIFORNIUM (98)	CF-252
AABN	CARBON (6)	C-14
AABP	CERIUM (58)	CE-141
AABQ	CERIUM (58)	CE-143
AABR	CERIUM (58)	CE-144
AABS	CESIUM (55)	CS-131
AABT	CESIUM (55)	CS-134M
AABW	CESIUM (55)	CS-134
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137
AACA	CHLORINE (17)	CL-36
AACB	CHLORINE (17)	CL-38
AACC	CHROMIUM (23)	CR-51
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACF	COBALT (27)	CO-58M
AACG	COBALT (27)	CO-58
AACH	COBALT (27)	CO-60
AACJ	COPPER (29)	CU-64
AACK	CURIUM (96)	CM-242
AACL	CURIUM (96)	CM-243
AACM	CURIUM (96)	CM-244
AACN	CURIUM (96)	CM-245
AACP	CURIUM (96)	CM-246
AACQ	DYSPROSIUM (66)	DY-154
AACR	DYSPROSIUM (66)	DY-165
AACS	DYSPROSIUM (66)	DY-166
AACT	ERBIUM (68)	ER-169
AACW	ERBIUM (68)	ER-171
AACX	EUROPIUM (63)	EU-150
AACY	EUROPIUM (63)	EU-152M
AACZ	EUROPIUM (63)	EU-152
AADA	EUROPIUM (63)	EU-154
AADB	EUROPIUM (63)	EU-155
AADC	FLUORINE (9)	F-18
AADD	GADOLINIUM (64)	GD-153
AADE	GADOLINIUM (64)	GD-159
AADF	GALLIUM (31)	GA-67

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AADG	GALLIUM (31)	GA-72
AADH	GERMANIUM (32)	GE-71
AADJ	GOLD (79)	AU-193
AADK	GOLD (79)	AU-194
AADL	GOLD (79)	AU-195
AADM	GOLD (79)	AU-196
AADN	GOLD (79)	AU-198
AADP	GOLD (79)	AU-199
AADQ	HAFNIUM (72)	HF-181
AADR	HOLMIUM (67)	HO-166
	Hydrogen (1)	H-3 (see TRITIUM)
AADS	INDIUM (49)	IN-113M
AADT	INDIUM (49)	IN-114M
AADW	INDIUM (49)	IN-115M
AADX	INDIUM (49)	IN-115
AADY	IODINE (53)	I-124
AADZ	IODINE (53)	I-125
AAEA	IODINE (53)	I-126
AAEB	IODINE (53)	I-129
AAEC	IODINE (53)	I-131
AAED	IODINE (53)	I-132
AAEE	IODINE (53)	I-133
AAEF	IODINE (53)	I-134
AAEG	IODINE (53)	I-135
AAEH	IRIDIUM (77)	IR-190
AAEJ	IRIDIUM (77)	IR-192
AAEK	IRIDIUM (77)	IR-194
AAEL	IRON (26)	FE-55
AAEM	IRON (26)	FE-59
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAEQ	KRYPTON (36)	KR-85
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAEW	LANTHANUM (57)	LA-140
AAEX	LEAD (82)	PB-203
AAEY	LEAD (82)	PB-210
AAEZ	LEAD (82)	PB-212
AAFA	LUTECIUM (71)	LU-172
AAFB	LUTECIUM (71)	LU-177
AAFC	MAGNESIUM (12)	MG-28
AAFD	MANGANESE (25)	MN-52
AAFE	MANGANESE (25)	MN-54
AAFF	MANGANESE (25)	MN-56
AAFG	MERCURY (80)	HG-197M
AAFH	MERCURY (80)	HG-197

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAFJ	MERCURY (80)	HG-203
AAFK	MIXED FISSION PRODUCTS	MF-P
AAFL	MOLYBDENUM (42)	MO-99
AAFM	NEODYMIUM (60)	ND-147
AAFN	NEODYMIUM (60)	ND-149
AAFP	NEPTUNIUM (93)	NP-237
AAFQ	NEPTUNIUM (93)	NP-239
AAFR	NICKEL (28)	NI-56
AAFS	NICKEL (28)	NI-59
AAFT	NICKEL (28)	NI-63
AAFW	NICKEL (28)	NI-65
AAFX	NIOBIUM (41)	NB-93M
AAFY	NIODIUM (41)	NB-95
AAFZ	NIOBIUM (41)	NB-97
AAGA	OSMIUM (76)	OS-185
AAGB	OSMIUM (76)	OS-191M
AAGC	OSMIUM (76)	OS-191
AAGD	OSMIUM (76)	OS-193
AAGE	PALLADIUM (46)	PD-103
AAGF	PALLADIUM (46)	PD-109
AAGG	PHOSPHORUS (15)	P-32
AAGH	PLATINUM (78)	PT-191
AAGJ	PLATINUM (78)	PT-193
AAGK	PLATINUM (78)	PT-193M
AAGL	PLATINUM (78)	PT-197M
AAGM	PLATINUM (78)	PT-197
AAGN	PLUTONIUM (94)	PU-238
AAGP	PLUTONIUM (94)	PU-239
AAGQ	PLUTONIUM (94)	PU-240
AAGR	PLUTONIUM (94)	PU-241
AAGS	PLUTONIUM (94)	PU-242
AAGT	POLONIUM (84)	PO-210
AAGW	POTASSIUM (19)	K-42
AAGX	POTASSIUM (19)	K-43
AAGY	PRASEODYMIUM (59)	PR-142
AAGZ	PRASEODYMIUM (59)	PR-143
AAHA	PROMETHIUM (61)	PM-147
AAHB	PROMETHIUM (61)	PM-149
AAHC	PROTACTINUM (91)	PA-230
AAHD	PROTACTINUM (91)	PA-231
AAHE	PROTACTINIUM (91)	PA-233
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226
AAHJ	RADIUM (88)	RA-228
AAHK	RADON (86)	RN-220

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAHL	RADON (86)	RN-222
AAHM	RHENIUM (75)	RE-183
AAHN	RHENIUM (75)	RE-186
AAHP	RHENIUM (75)	RE-187
AAHQ	RHENIUM (75)	RE-188
AAHR	RHENIUM (75)	RE-NATURAL
AAHS	RHODIUM (45)	RH-103M
AAHT	RHODIUM (45)	RH-105
AAHW	RUBIDIUM (37)	RB-86
AAHX	RUBIDIUM (37)	RB-87
AAHY	RUBIDIUM (37)	RB-NATURAL
AAHZ	RUTHENIUM (44)	RU-97
AAJA	RUTHENIUM (44)	RU-103
AAJB	RUTHENIUM (44)	RU-105
AAJC	RUTHENIUM (44)	RU-106
AAJD	SAMARIUM (62)	SM-145
AAJE	SAMARIUM (62)	SM-147
AAJF	SAMARIUM (62)	SM-151
AAJG	SAMARIUM (62)	SM-153
AAJH	SCANDIUM (21)	SC-46
AAJJ	SCANDIUM (21)	SC-47
AAJK	SCANDIUM (21)	SC-48
AAJL	SELENIUM (34)	SE-75
AAJM	SILICON (14)	SI-31
AAJN	SILVER (47)	AG-105
AAJP	SILVER (47)	AG-110M
AAJQ	SILVER (47)	AG-111
AAJR	SODIUM (11)	NA-22
AAJS	SODIUM (11)	NA-24
AAJT	STRONTIUM (38)	SR-85M
AAJW	STRONTIUM (38)	SR-85
AAJX	STRONTIUM (38)	SR-89
AAJY	STRONTIUM (38)	SR-90
AAJZ	STRONTIUM (38)	SR-91
AAKA	STRONTIUM (38)	SR-92
AAKB	SULPHUR (16)	S-35
AAKC	TANTALUM (73)	TA-182
AAKD	TECHNETIUM (43)	TC-96M
AAKE	TECHNETIUM (43)	TC-96
AAKF	TECHNETIUM (43)	TC-97M
AAKG	TECHENTIUM (43)	TC-97
AAKH	TECHNETIUM (43)	TC-99M
AAKJ	TECHNETIUM (43)	TC-99
AAKK	TELLURIUM (52)	TE-125M
AAKL	TELLURIUM (52)	TE-127M
AAKM	TELLURIUM (52)	TE-127
AAKN	TELLURIUM (52)	TE-129M

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAKP	TELLURIUM (52)	TE-129
AAKQ	TELLURIUM (52)	TE-131M
AAKR	TELLURIUM (52)	TE-132
AAKS	TERBIUM (65)	TB-160
AAKT	THALLIUM (81)	TL-200
AAKW	THALLIUM (81)	TL-201
AAKX	THALLIUM (81)	TL-202
AAKY	THALLIUM (81)	TL-204
AAKZ	THORIUM (90)	TH-227
AALA	THORIUM (90)	TH-228
AALB	THORIUM (90)	TH-230
AALC	THORIUM (90)	TH-231
AALD	THORIUM (90)	TH-232
AALE	THORIUM (90)	TH-234
AALF	THORIUM (90)	TH-NATURAL
AALG	THULIUM (69)	TM-168
AALH	THULIUM (69)	TM-170
AALJ	THULIUM (69)	TM-171
AALK	TIN (50)	SN-113
AALL	TIN (50)	SN-117M
AALM	TIN (50)	SN-121
AALN	TIN (50)	SN-125
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS, LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187
AALW	URANIUM (92)	U-230
AALX	URANIUM (92)	U-232
AALY	URANIUM (92)	U-233
AALZ	URANIUM (92)	U-234
AAMA	URANIUM (92)	U-235
AAMB	URANIUM (92)	U-236
AAMC	URANIUM (92)	U-238
AAMD	URANIUM (92)	U-NATURAL
AAME	URANIUM (92)	U-ENRICHED
AAMF	URANIUM (92)	U-DEPLETED
AAMG	VANADIUM (23)	V-48
AAMH	VANADIUM (23)	V-49
AAMJ	XENON (54)	XE-125
AAMK	XENON (54)	XE-131M
AAML	XENON (54)	XE-131M, UNCOMPRESSED
AAMM	XENON (54)	XE-133
AAMN	XENON (54)	XE-133, UNCOMPRESSED
AAMP	XENON (54)	XE-135
AAMQ	XENON (54)	XE-135, UNCOMPRESSED

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAMR	YTTERBIUM (70)	YB-175
AAMS	YTTRIUM (39)	Y-88
AAMT	YTTRIUM (39)	Y-90
AAMW	YTTRIUM (39)	Y-91M
AAMX	YTTRIUM (39)	Y-91
AAMY	YTTRIUM (39)	Y-92
AAMZ	YTTRIUM (39)	Y-93
AANA	ZINC (30)	ZN-65
AANB	ZINC (30)	ZN-69M
AANC	ZINC (30)	ZN-69
AAND	ZIRCONIUM (40)	ZR-93
AANE	ZIRCONIUM (40)	ZR-95
AANF	ZIRCONIUM (40)	ZR-97

Table 4 - DOCUMENT TYPES

DOCUMENT TYPES

REPLY CODE	REPLY (AF70)
DX	DRAWING
AE	FEDERAL SPECIFICATION
AT	INSTRUCTION MANUAL
AC	MILITARY SPECIFICATION
AF	MILITARY STANDARD
AR	NOMENCLATURE CARD
DZ	ORDNANCE PAMPHLET
BW	PURCHASE DESCRIPTION
EA	REPAIR MANUAL
DY	SERVICE INSTRUCTION
AH	SUPPLY CATALOG
AJ	SUPPLY MANUAL
AB	TECHNICAL MANUAL
AG	TECHNICAL ORDER
AD	TRAINING MANUAL

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

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SPECIAL IDENTIFIED SECONDARY ADDRESS CODING

1A	1ST ALTERNATE OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT
2AA	1ST ALTERNATE OPERATING POWER RQMT
2AB	1ST ALTERNATE OPERATING POWER RQMT
2AC	1ST ALTERNATE OPERATING POWER RQMT
2AD	1ST ALTERNATE OPERATING POWER RQMT
2AE	1ST ALTERNATE OPERATING POWER RQMT
2BA	2ND ALTERNATE OPERATING POWER RQMT
2BB	2ND ALTERNATE OPERATING POWER RQMT
2BC	2ND ALTERNATE OPERATING POWER RQMT
2BD	2ND ALTERNATE OPERATING POWER RQMT
2BE	2ND ALTERNATE OPERATING POWER RQMT
2CA	3RD ALTERNATE OPERATING POWER RQMT
2CB	3RD ALTERNATE OPERATING POWER RQMT
2CC	3RD ALTERNATE OPERATING POWER RQMT
2CD	3RD ALTERNATE OPERATING POWER RQMT
2CE	3RD ALTERNATE OPERATING POWER RQMT
2DA	4TH ALTERNATE OPERATING POWER RQMT
2DB	4TH ALTERNATE OPERATING POWER RQMT
2DC	4TH ALTERNATE OPERATING POWER RQMT
2DD	4TH ALTERNATE OPERATING POWER RQMT
2DE	4TH ALTERNATE OPERATING POWER RQMT
2EA	5TH ALTERNATE OPERATING POWER RQMT

2EB 5TH ALTERNATE OPERATING POWER RQMT
2EC 5TH ALTERNATE OPERATING POWER RQMT
2ED 5TH ALTERNATE OPERATING POWER RQMT
2EE 5TH ALTERNATE OPERATING POWER RQMT
2FA 6TH ALTERNATE OPERATING POWER RQMT
2FB 6TH ALTERNATE OPERATING POWER RQMT
2FC 6TH ALTERNATE OPERATING POWER RQMT
2FD 6TH ALTERNATE OPERATING POWER RQMT
2FE 6TH ALTERNATE OPERATING POWER RQMT
2GA 7TH ALTERNATE OPERATING POWER RQMT
2GB 7TH ALTERNATE OPERATING POWER RQMT
2GC 7TH ALTERNATE OPERATING POWER RQMT
2GD 7TH ALTERNATE OPERATING POWER RQMT
2GE 7TH ALTERNATE OPERATING POWER RQMT
2HA 8TH ALTERNATE OPERATING POWER RQMT
2HB 8TH ALTERNATE OPERATING POWER RQMT
2HC 8TH ALTERNATE OPERATING POWER RQMT
2HD 8TH ALTERNATE OPERATING POWER RQMT
2HE 8TH ALTERNATE OPERATING POWER RQMT
2JA 9TH ALTERNATE OPERATING POWER RQMT
2JB 9TH ALTERNATE OPERATING POWER RQMT
2JC 9TH ALTERNATE OPERATING POWER RQMT
2JD 9TH ALTERNATE OPERATING POWER RQMT
2JE 9TH ALTERNATE OPERATING POWER RQMT
2KA 10TH ALTERNATE OPERATING POWER RQMT
2KB 10TH ALTERNATE OPERATING POWER RQMT
2KC 10TH ALTERNATE OPERATING POWER RQMT
2KD 10TH ALTERNATE OPERATING POWER RQMT
2KE 10TH ALTERNATE OPERATING POWER RQMT
2LA 11TH ALTERNATE OPERATING POWER RQMT
2LB 11TH ALTERNATE OPERATING POWER RQMT
2LC 11TH ALTERNATE OPERATING POWER RQMT
2LD 11TH ALTERNATE OPERATING POWER RQMT
2LE 11TH ALTERNATE OPERATING POWER RQMT
2MA 1ST OPERATING POWER RQMT
2MB 1ST OPERATING POWER RQMT
2MC 1ST OPERATING POWER RQMT
2MD 1ST OPERATING POWER RQMT
2ME 1ST OPERATING POWER RQMT
2NA 2ND OPERATING POWER RQMT
2NB 2ND OPERATING POWER RQMT
2NC 2ND OPERATING POWER RQMT
2ND 2ND OPERATING POWER RQMT
2NE 2ND OPERATING POWER RQMT
2PA 3RD OPERATING POWER RQMT
2PB 3RD OPERATING POWER RQMT

2PC	3RD OPERATING POWER RQMT
2PD	3RD OPERATING POWER RQMT
2PE	3RD OPERATING POWER RQMT
2QA	4TH OPERATING POWER RQMT
2QB	4TH OPERATING POWER RQMT
2QC	4TH OPERATING POWER RQMT
2QD	4TH OPERATING POWER RQMT
2QE	4TH OPERATING POWER RQMT
2RA	5TH OPERATING POWER RQMT
2RB	5TH OPERATING POWER RQMT
2RC	5TH OPERATING POWER RQMT
2RD	5TH OPERATING POWER RQMT
2RE	5TH OPERATING POWER RQMT
2SA	6TH OPERATING POWER RQMT
2SB	6TH OPERATING POWER RQMT
2SC	6TH OPERATING POWER RQMT
2SD	6TH OPERATING POWER RQMT
2SE	6TH OPERATING POWER RQMT
2TA	7TH OPERATING POWER RQMT
2TB	7TH OPERATING POWER RQMT
2TC	7TH OPERATING POWER RQMT
2TD	7TH OPERATING POWER RQMT
2TE	7TH OPERATING POWER RQMT
2UA	8TH OPERATING POWER RQMT
2UB	8TH OPERATING POWER RQMT
2UC	8TH OPERATING POWER RQMT
2UD	8TH OPERATING POWER RQMT
2UE	8TH OPERATING POWER RQMT
2VA	9TH OPERATING POWER RQMT
2VB	9TH OPERATING POWER RQMT
2VC	9TH OPERATING POWER RQMT
2VD	9TH OPERATING POWER RQMT
2VE	9TH OPERATING POWER RQMT
2WA	10TH OPERATING POWER RQMT
2WB	10TH OPERATING POWER RQMT
2WC	10TH OPERATING POWER RQMT
2WD	10TH OPERATING POWER RQMT
2WE	10TH OPERATING POWER RQMT
2XA	11TH OPERATING POWER RQMT
2XB	11TH OPERATING POWER RQMT
2XC	11TH OPERATING POWER RQMT
2XD	11TH OPERATING POWER RQMT
2XE	11TH OPERATING POWER RQMT

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, change the second alpha to indicate the reply. For example: ALTERNATE OPERATING POWER EQUIPMENT shows AC Voltage 110V, 115V, 120V code as ACYN2AAJVA110.0* ACYN2ABJVA115.0* ACYN2ACJVA120.0*.

ACYN2AAJVA110.0*

ACYN2ABJVA115.0*

ACYN2ACJVA120.0*.

SPECIAL IDENTIFIED SECONDARY SEQUENCE CODING for MRCs ACYN, ACZB, FAAZ, and ACYR.

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

Table 4 - IDENTIFIED SECONDARY ADDRESS CODING (I/SAC)

REPLY CODE	REPLY (0351)
2BZ	ALL COMPONENTS
2BY	SINGLE COMPONENT
2AA	1ST COMPONENT
2AB	2ND COMPONENT
2AC	3RD COMPONENT
2AD	4TH COMPONENT
2AE	5TH COMPONENT
2AF	6TH COMPONENT
2AG	7TH COMPONENT
2AH	8TH COMPONENT
2AJ	9TH COMPONENT
2AK	10TH COMPONENT
2AL	11TH COMPONENT
2AM	12TH COMPONENT
2AN	13TH COMPONENT
2AP	14TH COMPONENT

REPLY CODE	REPLY (0351)
2AQ	15TH COMPONENT
2AR	16TH COMPONENT
2AS	17TH COMPONENT
2AT	18TH COMPONENT
2AU	19TH COMPONENT
2AV	20TH COMPONENT
2AW	21ST COMPONENT
2AX	22ND COMPONENT
2AY	23RD COMPONENT
2AZ	24TH COMPONENT
2BA	25TH COMPONENTT
2BB	26TH COMPONENT
2BC	27TH COMPONENT
2BD	28TH COMPONENT
2BE	29TH COMPONENT
2BF	30TH COMPONENT
2BG	31ST COMPONENT
2BH	32ND COMPONENT
2BJ	33RD COMPONENT
2BK	34TH COMPONENT
2BL	35TH COMPONENT
2BM	36TH COMPONENT
2BN	37TH COMPONENT
2BP	38TH COMPONENT

FIIG Change List

FIIG Change List, Effective September 3, 2010

This change replaced with ISAC or and/or coding.